



**MARS**  
**Advanced**  
**Research Institute**



## Carl Jones

Plant Sciences Director - Mars Advanced Research Institute at Mars

Davis, Kalifornien, Vereinigte Staaten von Amerika

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Mitglied werden und folgen



University of California, Davis

## Info

As the Mars Advanced Research Institute's (MARI) Plant Sciences Director, I am responsible for developing science and technology to support ecological and economically sustainable agriculture.

My focus of interest is fostering innovation and sustainability across food systems, agriculture, plant breeding and genetics. My expertise includes vegetable crop genetics, accelerated genetic improvement, and managing large R&D programs. I'm a passionate leader and industry executive with more than 25 years' experience and take great pleasure in seeing innovation solve real problems for growers while increasing sustainability.

Originally from New Jersey, I studied photography at Rochester Institute of Technology, and it was my environmentalism and love of nature that drew me out of the studio and



At Mars we have a deep commitment to science. It sits within MARI, which provides Mars with capabilities, connectivity and resources to be on the cutting edge of science and technology trends. Our mission is to drive long-term science and technology breakthroughs that have the potential to unlock crucial innovation. Leveraging a global network of external academic, research, and scientific partners, MARI links external expertise and innovation with business units across Mars.

We know that agriculture is faced with many challenges that require action today. At Mars I leverage science and technology to support sustainable agriculture that protects land and preserves natural resources. For example, along with IBM and the US Department of Agriculture, we published the preliminary version of the cacao genome, helping advance farmers' ability to plant more robust, higher-yielding, and drought-and disease-resistant cacao trees. We're also elevating nutritional research to understand bioactive compounds in cocoa flavanols – which are found in the cacao plant – and their potential benefits for human health. In 2018 we were part of a collaboration that published groundbreaking results showing that corn can acquire a significant amount of the nitrogen it needs from the air by cooperating with bacteria. Through these cases, and many others, we're applying the best-available science to our strategies.

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## Artikel von Carl Jones



### Earth Day 2021 – Restoring our Earth through sustainable agriculture

Von Carl Jones

26. Apr. 2021



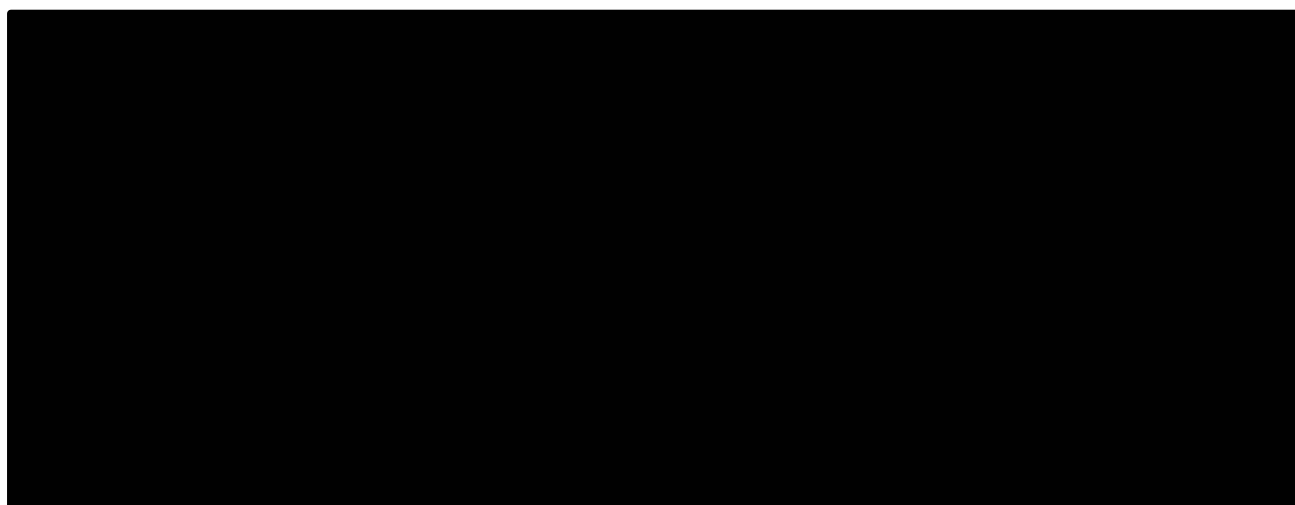
## Plastics for a Circular Economy Workshop: Summary Report

Three ways to solve the plastics recycling problem

Von Carl Jones

11. Aug. 2020

### Aktivitäten



Mars is proud to partner with the World Food Programme. Everyday millions of people around the world go to bed hungry every night, and a record 345...

Beliebt bei Carl Jones



Interested in the Oregon State University CAS Leadership Academy? Visit our Current Students page to learn more about this year's cohort and why they...

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**USAJOBS**



USAID's Bureau for Resilience and Food Security is seeking an outstanding leader for its global crop improvement program, with an application...

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[Anmelden, um alle Aktivitäten zu sehen](#)

## Berufserfahrung



**Plant Sciences Director - Mars Advanced Research Institute**  
Mars

Okt. 2019–Heute · 3 Jahre 3 Monate



## Global Head of Innovation and New Technologies

Bayer

Okt. 2018–Sept. 2019 · 1 Jahr

Woodland, CA

Worked on Bayer team to structure joint venture between Bayer and Temasek to invest \$30 million in the creation of Unfold a new company focused on developing breakthroughs in vertical farming.

Worked with Monsanto team to develop deal to create Pairwise Plants. The deal included a \$100-million Monsanto investment giving Monsanto access to Pairwise IP for our row crop portfolio.



## Monsanto Company

13 Jahre

### Global Accelerated Breeding Technologies Lead - Vegetables

März 2016–Okt. 2018 · 2 Jahre 8 Monate

Woodland, CA

Global Lead responsible for Cell Biology, Trait Integration, Analytical Chemistry, Consumer R&D, Intellectual property, and Global Crop Innovations.

Member of Research Leadership Team guiding Monsanto's Vegetable Breeding and R&D efforts worldwide. Gene Editing Strategy Lead for Monsanto Vegetables.

### Vegetable Trait Integration Strategy Lead

Aug. 2012–März 2016 · 3 Jahre 8 Monate

Woodland, CA

Lead Monsanto Vegetable Trait Integration globally.

Member of Vegetable Breeding Technology (VBT) Leadership Team.

### Research Scientist Project Lead

2005–Okt. 2012 · 7 Jahre

Woodland, CA

- Manage portfolio of pepper research projects
- Coordinate global deployment of traits into breeding programs.
- Work with breeding programs to develop trait and breeding pool strategy.
- Member of the Vegetable Breeding Technology Leadership Team and Pepper Global Crop Team
- Develop strategies to exploit the latest technology advances in next-gen sequencing and high-throughput marker technologies to directly leverage genetic

**Graduate Research Assistant**

UC Davis

2000–2005 · 5 Jahre

Davis, CA

**Graduate Research Assistant**

Oregon State University

1999–2000 · 1 Jahr

Corvallis, Oregon Area

**Reasearch Associate**

Seeds of Change/Mars, Corvallis, OR

1992–1999 · 7 Jahre

Vegetable and Flower Breeding

**Co-Owner**

Lobster Creek Organics

1992–1998 · 6 Jahre

Lobster Valley OR

Owner-operator of certified organic farm specializing in organic seed production, blueberries and fresh market produce

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## Ausbildung

**University of California, Davis**

Doctor of Philosophy (Ph.D.) · Genetics, Plant Breeding

2000–2005

Dissertation title: Genetic analysis and fine mapping of fruit quality and morphological traits *L. pennellii* and *L. pimpinellifolium* introgression populations in tomato. Advisor: Roger T. Chetelat.





Science) · summa cum laude

1996–1999

Evaluation of carotenoids and anthocyanins in high pigment, processing, heirloom and anthocyanin fruit tomatoes.

### **Rochester Institute of Technology**

Bachelor's Degree · Commercial Photography

### **Salzburg College, Salzburg Austria**

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1982–1983

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## **Ehrenamt**

### **Board member**

Oregon State University College of Agricultural Sciences Leadership Academy

Mai 2016

Bildungswesen

### **Executive Committee Member**

University & Industry Consortium

Apr. 2021

Wissenschaft und Technologie

<https://www.uicag.org/>

### **Industry Advisory Board**

CEIF (Center for Environmental Sustainability through Insect Farming)

2021

Wissenschaft und Technologie

The Center for Environmental Sustainability through Insect Farming (CEIF)

represents a first of its kind, a research center that supports the Insect

Agriculture Sector realize its potential to sustainably deliver alternative proteins, functional/therapeutic ingredients, and more.



2016–Heute · 6 Jahre

### **Co-Chair Capsicum Crop Germplasm Committee (USDA) 2008-2022.**

USDA

2008–2022 · 14 Jahre

### **Plant Breeding Innovations Committee**

American Seed Trade Association

Dez. 2016–2020 · 4 Jahre

### **Board of Directors**

Alpine Place Homeowners Association - Alpine Meadows, CA

Apr. 2017–Heute · 5 Jahre 9 Monate

### **President of the Board**

ORGANIC SEED ALLIANCE

2003–2005 · 2 Jahre

### **Board Member**

Corvallis Oregon Farmer's Market

1993–1998 · 5 Jahre

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## Veröffentlichungen

**Government and industry investment plays crucial role in further establishment, evolution, and diversification of insect agriculture: a case example from the United States**

Journal of Insects as Food and Feed, · 1. Februar 2022

[Veröffentlichung anzeigen](#)

### **Plant Breeding Innovation for Sustainability**

in Sustainable Agriculture: The Role of Plant Breeding Innovation. Tucson, AZ: Institute on Science for Global Policy · 23. Februar 2021





## **Distribution, ecology and reproductive biology of wild tomatoes and related nightshades from the Atacama Desert region of northern Chile.**

Euphytica · Mai 2009

Andere Autor:innen

[Veröffentlichung anzeigen](#)

## **Genealogy and fine mapping of obscuravenosa, a gene affecting the distribution of chloroplasts in leaf veins, and evidence of selection during breeding of tomatoes (*Lycopersicon esculentum*; Solanaceae).**

American Journal of Botany · Juni 2007

Andere Autor:innen

[Veröffentlichung anzeigen](#)

## **QTL analysis of fruit antioxidants in tomato using *Lycopersicon pennellii* introgression lines**

Theoretical and Applied Genetics · Aug. 2005

[Veröffentlichung anzeigen](#)

## **Characterization and Inheritance of the Anthocyanin fruit (Aft) Tomato**

Journal of Heredity · 2003

[Veröffentlichung anzeigen](#)



Oregon State · Sept. 2000

[Veröffentlichung anzeigen](#)

## **A recombinant inbred line mapping population derived from a *Lycopersicon esculentum* x *L. pimpinellifolium* cross.**

Report of the Tomato Genetics Cooperative. 54:22-25.

## **Naming and release of 'Indigo Rose' high anthocyanin tomato**

Oregon State University

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## Patente

### **PEPPER PLANTS WITH IMPROVED DISEASE RESISTANCE**

Angemeldet am 21. Juni 2018 · Vereinigte Staaten

The present disclosure provides pepper plants exhibiting resistance to *Phytophthora capsici*. Such plants may comprise novel introgressed chromosomal regions associated with disease resistance. In certain aspects, compositions, including novel polymorphic markers and methods for producing, breeding, identifying, and selecting plants or germplasm with a disease resistance phenotype are provided.

Andere Erfinder:innen

### **METHODS AND COMPOSITIONS FOR PRODUCING CAPSICUM PLANTS WITH POWDERY MILDEW RESISTANCE**

Ausgestellt am 27. Juni 2017 · Vereinigte Staaten · 20130055465

Andere Erfinder:innen



## SEEDLESS PEPPER PLANTS

Ausgestellt am 21. November 2012 · Vereinigte Staaten · 066268

The present invention provides methods and composition for preparing seeds that when cultivated produce pepper plants with seedless fruits. These plants may further be male sterile and contain a stable non-Peterson Cytoplasmic Male Sterility ("CMS"). The invention also provides essentially pure populations of seed that, when grown, produce pepper plants with seedless fruit. Methods are provided comprising crossing a stable non-Peterson CMS plant as a female parent with pepper lines displaying a...

**Mehr anzeigen**

Andere Erfinder:innen

## HYBRID PEPPER PLANTS RESULTING FROM A CROSS BETWEEN C. ANNUUM AND C. PUBESCENS

Ausgestellt am 1. Januar 2010 · Vereinigte Staaten · US 8802939

Andere Erfinder:innen



## **SELECTION OF MATURE FRUIT COLOR IN PEPPER PLANTS**

Angemeldet am 25. Dezember 2014 · Vereinigte Staaten

Andere Erfinder:innen

## **COMPOSITIONS AND METHODS FOR ASSAYING MARKERS TIGHTLY LINKED TO RESISTANCE LOCUS Bs2 OF PEPPER**

Vereinigte Staaten · 8802939

Andere Erfinder:innen

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## **Auszeichnungen/Preise**

**Elected to Monsanto Science Fellows**



## Monsanto Vegetables Research Excellence Award

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Aug. 2015

Recipient of Research Excellence Award for Leading efforts in developing phytophthora resistant peppers.

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## Sprachen

### Spanish

Gute Kenntnisse

### German

Grundkenntnisse

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## Erhaltene Empfehlungen

### Christine Henderson

„Carl Jones is currently serving on the Oregon State University's Advisory Board for the Leadership Academy, which serves undergraduate students in the College of Agricultural Sciences. Carl brings excellent personal experience and science background to the group: [http://agsci.oregonstate.edu/leadership\\_academy/advisory-board](http://agsci.oregonstate.edu/leadership_academy/advisory-board) As an OSU alum, Carl connects with the students and can share his leadership development process. We are thankful for his contribution to the group.“

1 Person hat Carl Jones empfohlen

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## Weitere Aktivitäten von Carl Jones



**Early detection is crucial when it comes to chronic kidney disease in dogs because of the major, long-term impact on their health. Very proud to...**

Geteilt von Carl Jones

**Thrilled to share that Solis Agrosiences has received growth funding in a round led by Hermann Companies, Jim McKelvey and BioGenerator. This...**

Beliebt bei Carl Jones

**Cool job, and an awesome team!**

Beliebt bei Carl Jones

**Meet the newest member of New Food's Advisory Board, Guangtao Zhang, Director of the Mars Global Food Safety Center (GFSC)**

Beliebt bei Carl Jones





**I'm #recruiting a new role to join my team at the wonderful Waltham Petcare Science Institute in the UK, as a Senior Research Manager...**

Geteilt von Carl Jones

**I'm #recruiting a new role to join my team at the wonderful Waltham Petcare Science Institute in the UK, as a Senior Research Manager...**

Beliebt bei Carl Jones

**This week, I formally retired from MARS Inc. after more than 34 years - I had the pleasure to serve in several R&D roles for the MARS Food segment...**

Beliebt bei Carl Jones

**Sehen Sie sich Carl Jones' vollständiges Profil an, um**

herauszufinden, welche gemeinsamen Kontakte Sie haben

sich vorstellen zu lassen

Carl Jones direkt zu kontaktieren



## Ebenfalls angesehen

**Jennifer Schmidt**

Associate Scientist at Mars Wrigley

Davis, CA

**David Mackill**

Plant Science Manager at Mars

Davis, CA

**Derek Drost**

Global Director - Cocoa Genetics & Breeding

Sacramento, CA

**Irene Luna Guzman, PhD**

Mars Advanced Research Institute - Science and Technology Translation Manager

Metropolregion Los Angeles

**Matthew Harrison**

MARI Health Sciences Lead

Leicester und Umgebung

**Jim Kennedy**

Computational Science Competency Leader at Mars

Metropolregion Chicago

**John Didzbalis**

Flavor/Sensory Science Lead at Mars, Incorporated

Cranford, NJ

**Jit Baral**

Tomato Breeder at Enza Zaden Research USA | Author of Beyond the Bread: Two Worlds, One Witness

Woodland, CA

**Michael A. Grusak**

Center Director at Edward T. Schafer Agricultural Research Center

Fargo, ND

**Uri Krieger**

Head of Vegetables and Flowers R&D at Syngenta

Downers Grove, IL



## Weitere Mitglieder, die **Carl Jones** heißen



**Carl Jones**

Matteson, IL



**Carl Jones**

Commercial Director Mander Hadley Ltd

Coventry



**carl jones**

site manager at alliance project group

Seaforth, NSW



**Carl Jones**

Serving the Washington, DC Metro Area--

Silver Spring, MD



**Carl Jones**

Managing Director at Burntwood Fleet Services Ltd

West-Midlands

Es gibt 1520 weitere Personen auf LinkedIn, die Carl Jones heißen.

[Weitere Mitglieder anzeigen, die \*\*Carl Jones\*\* heißen](#)

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Jeff Dyer on Innovation

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## Carl Jones' öffentliches Profil-Badge

**Carl Jones**

Plant Sciences Director - Mars Advanced Research Institute at Mars



Plant Sciences Director - Mars Advanced Research Institute bei Mars



University of California, Davis

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